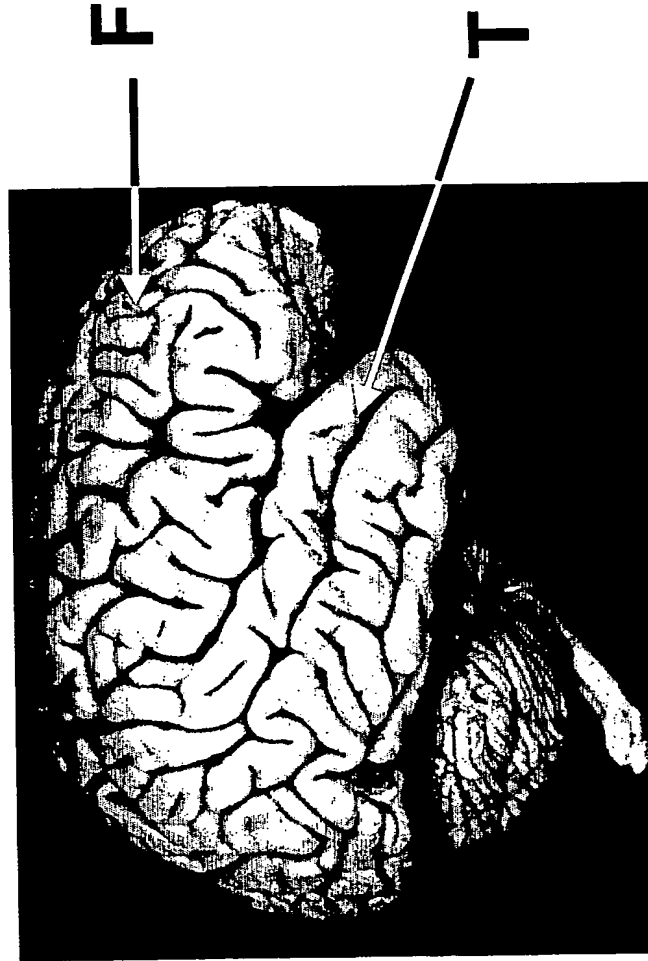
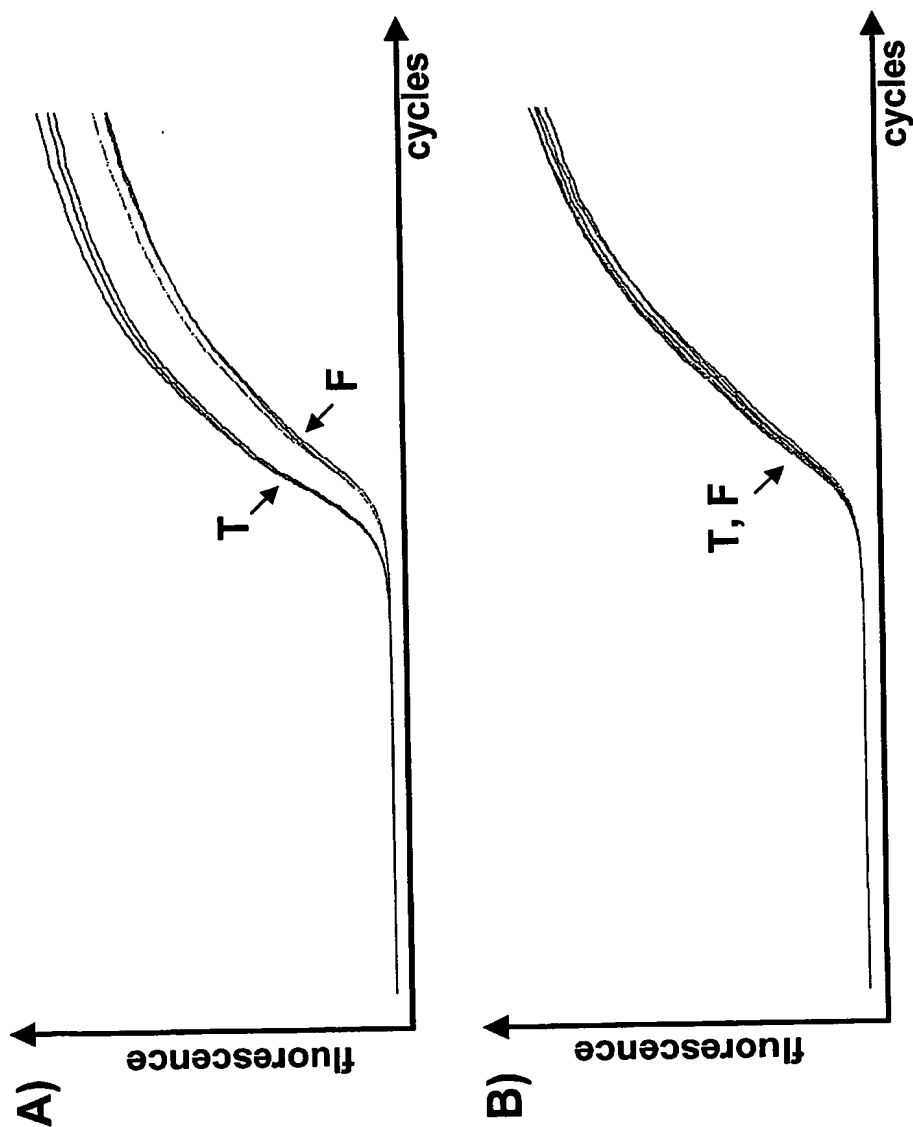


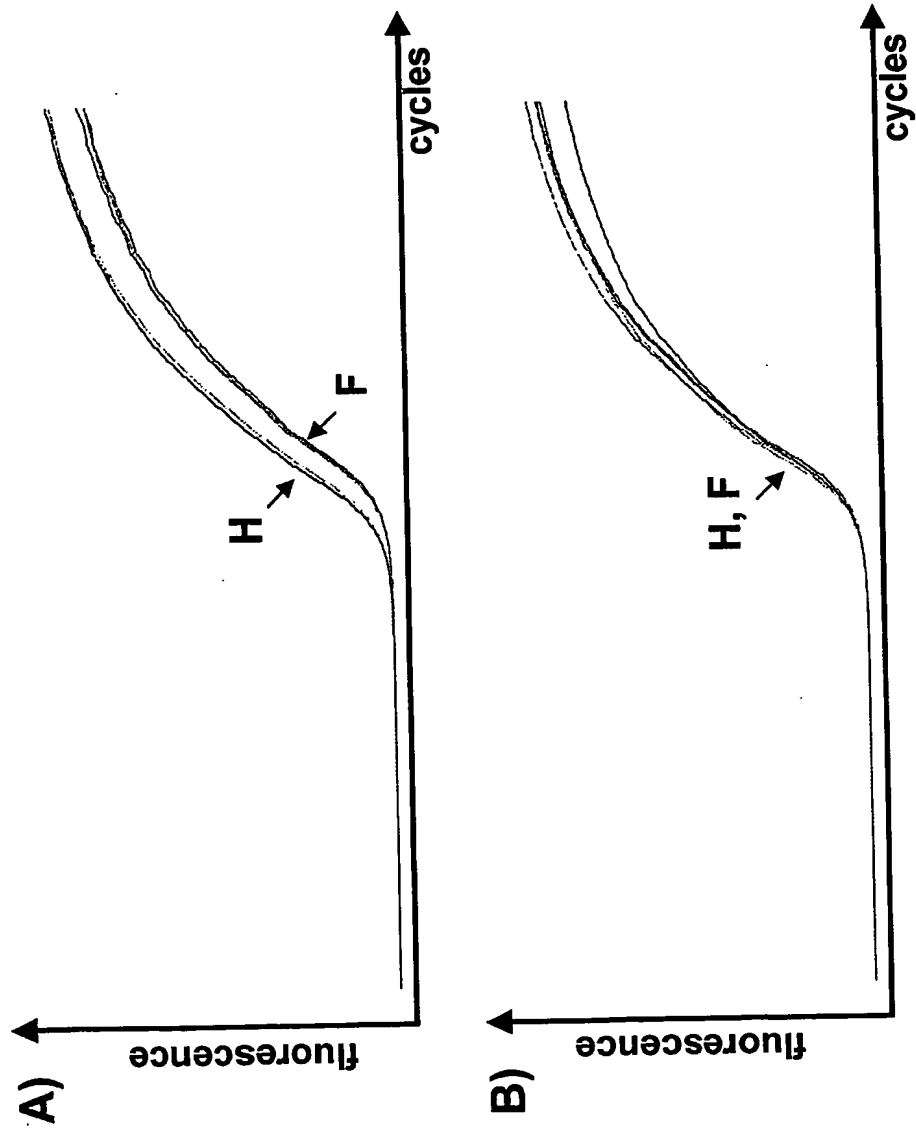
**Figure 1: Identification of genes involved in
Alzheimer's Disease pathology**



**Figure 2: Differential expression of ABCA1 as determined by
RT-PCR analysis**



**Figure 3: Differential expression of ABCA1 as determined by
RT-PCR analysis**



**Figure 4: Schematic alignment of ABCA1 RT-PCR
primers with human ABCA1 cDNA
(GenBank accession number: AF285167)**



**Figure 5: Alignment of ABCA1 RT-PCR primers
with ABCA1 cDNA (GenBank
accession number AF285167)**

```
      1 TGTTCATCCCCCTTAGAATGT 22
        |||||
10031 TGTTCATCCCCCTTAGAATGT 10052
```

```
      21 CTTTGTTTCATCATTGGCCCTC 1
        |||||
10124 CTTTGTTTCATCATTGGCCCTC 10144
```

Figure 6: SEQ ID NO.1: amino acid sequence of human ABCA1

Length: 2261 aa

```

1  MACWPQLRLL LWKNLTFRRR QTCQLLLEVA WPLFIFLILI SVRLSYPPYE
51  QHECHFPNKA MPSAGTLPWV QGIICNANNP CFRYPTPGEA PGVVGNFNKS
101  IVARLFSDAR RLLLYSQKDT SMKDMRKVLR TLQQIKKSSS NLKLQDFLVD
151  NETFSGFLYH NLSLPKSTVD KMLRADVILH KVFLQGYQLH LTSLCNGSKS
201  EEMIQLGDE VSELCGLPRE KLAAAERVLR SNMDILKPIL RTLNSTSPFP
251  SKELAEATKT LLHSLGTLAQ ELFSMRSWSD MRQEVMTN VNSSSSSTQI
301  YQAVSRIVCG HPEGGLKIK SLNWDNNDY KALFGGNGTE EDAETFYDNS
351  TTPYCNDLMK NLESSPLSRI IWKALKPLLV GKILYTPDTP ATRQVMAEVN
401  KTFQELAVFH DLEGMWEELS PKIWTFMENS QEMDLVRMLL DSRDNDHFEW
451  QQLDGLDWT QDIVAFLAKH PEDVQSSNGS VYTWEAFNE TNQAIRTISR
501  FMECVNLNKL EPIATEVWLI NKSMELLDER KFWAGIVFTG ITPGSIELPH
551  HVKYKIRMDI DNVERTNKIK DGYWDPGPRA DPFEDMRYVW GGFAYLQDVV
601  EQAIRVLTG TEKKTGVYMQ QMPYPCYVDD IFLRVMSRSM PLFMTLAWIY
651  SVAVIIGIV YEKEARLKET MRIMGLDNSI LWFSWFISL IPLVLSAGLL
701  VVILKLGILL PYSDPSVVFV FLSVFAVVTI LQCFLISTLF SRANLAAACG
751  GIIYFTLYLP YVLCVAWQDY VGFTLKIFAS LLSPVAFGFG CEYFALFEEQ
801  GIGVQWDNLF ESPVEEDGFN LTTSVSMMLF DTFLYGVMTW YIEAVFPQY
851  GIPRPWFYPC TKSYPFGES DEKSHPGSNQ KRISICMEE EPTHLKLGVS
901  IQNLVKVYRD GMKVAVDGLA LNFYEGQITS FLGHNGAGKT TTMSILTGLF
951  PPTSGTAYIL GKDIRSEMST IRQNLGVCPO HNVLFDMTLV EEHIWFYARL
1001 KGLSEKHVKA EMEQMALDVG LPSSKLKSKT SQLSGGMQRK LSVLAVFGG
1051 SKVILDEPT AGVDPYSRRG IWELLKLYRQ GRTIILSTHH MDEADVLDGR
1101 IAIISHGKLC CVGSSLFLKN QLGTGYLTL VKKDVESLS SCRNSSTVS
1151 YLKKEDSVSQ SSSDAGLGSD HESDTLTIDV SAISNLIRKH VSEARLVEDI
1201 GHELTIVLPY EAAKEGAFVE LFHEIDRLS DLGISSYGIS ETTLEEIFLK
1251 VAEESGVDAE TSDGTLPARR NRRAFGDKQS CLRPFTEDDA ADPNDSIDP
1301 ESRETDLLSG MDGKGSYQVK GWKLTQQQFV ALLWKRLIA RRSRKGFFAQ
1351 IVLPAVFVCI ALVFSIVPP FGKYPSELEQ PWMYNEQYTF VSNDAPEDTG
1401 TLELLNALTK DPGFGTRCME GNPIPDTPCQ AGEEWTTAP VPQTIMDLFQ
1451 NGNWTMQNPS PACQCSSDKI KKMLPVCPPG AGGLPPPQRK QNTADILQDL
1501 TGRNISDYLV KTYVQIIAKS LKNKIWVNEF RYGGFSLGVS NTQALPPSQE
1551 VNDATKQMKK HLKLAQDSSA DRFLNSLGRF MTGLDTRNNV KVWFNNKGWH
1601 AISSFLNVIN NAILRANLQK GENPSHYGIT AFNHPLNLTK QQLSEVAPMT
1651 TSVDVLVSIC VIFAMSFVPA SFVVFLIQR VSKAKHLQFI SGVKPVIYWL
1701 SNFVWDMCNY VVPATLVIII FICFQKSYV SSTNLPVLAL LLLLYGWSIT
1751 PLMYPASFVF KIPSTAYVVL TSVNLFIGIN GSVATFVLEL FTDNKLNNIN
1801 DILKSVFLIF PHFCLGRGLI DMVKNQAMAD ALERFGENRF VSPLSWDLVG
1851 RNLFAMAVEG VVFFLITVLI QYRFFIRPRP VNAKLSPLND EDEDVRRERQ
1901 RILDGGGQND ILEIKELTKI YRRKRKPAVD RICVGIPPGE CFGLLGVNAG
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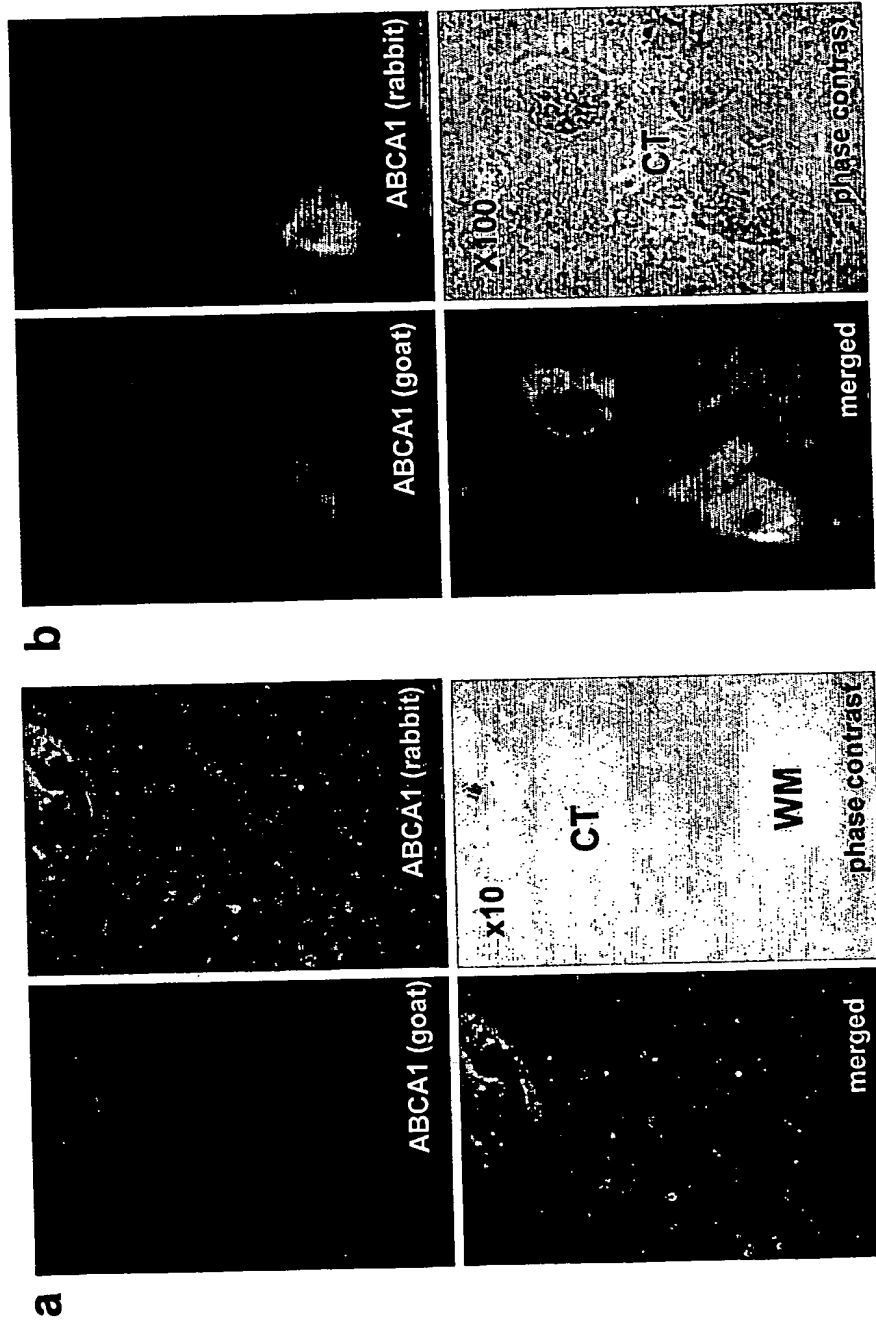
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2001	LTGREHVEFF	ALLRGVPEKE	VGKVGWAIK	KLGLVKYGEK	YAGNYSGGNK
2051	RKLSTAMALI	GGPPVVFLDE	PTTGMDPKAR	RFLWNCALSV	VKEGRSVVLT
2101	SHSMEECEAL	CTRMAMVNG	RFRCLGSVQH	LKNRFGDGYT	IVVRIAGSNP
2151	DLKPVQDFFG	LAFPGSVPKE	KHRNMLQYQL	PSSLSSLARI	FSILSQSKKR
2201	LHIEDYSVSQ	TTLQVQFVNF	AKDQSDDDHL	KDLSLHKNQT	VVDVAVLTSF
2251	LQDEKVKEYS	V			

Figure 7: Images of the human cerebral cortex labeled with anti-ABCA1 antibodies and with DAPI



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Table 1 :

sample	Δ (fold) (temporal / frontal cortex)
--------	--

control C011	1.04
control C012	0.85
control C014	0.81
control C005	1.49
control C008	1.40
patient P012	1.18
patient P016	2.48
patient P010	1.55
patient P011	1.80
patient P014	1.45
patient P017	2.35
patient P019	2.99

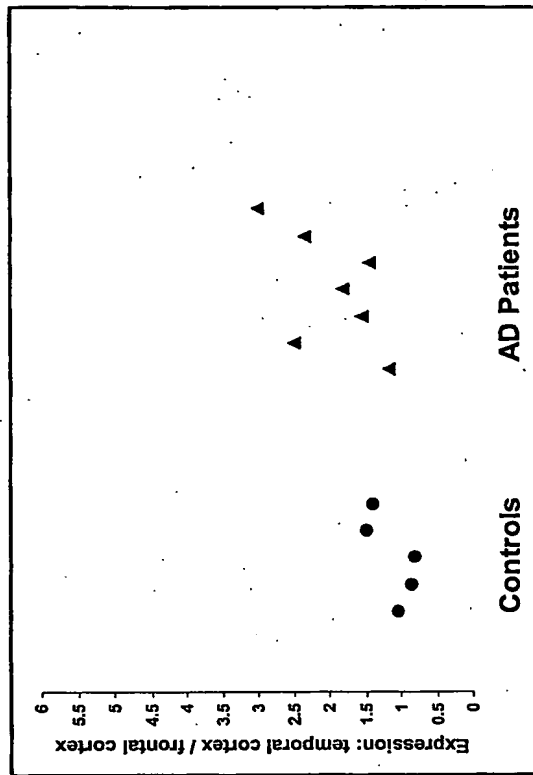


Figure 8

Table 2:

sample Δ (fold)
(hippocampus / frontal cortex)

control C005	1.18
control C008	3.22
control C004	2.40
patient P012	2.01
patient P016	4.16
patient P010	1.96
patient P011	2.66
patient P014	1.96
patient P019	5.83

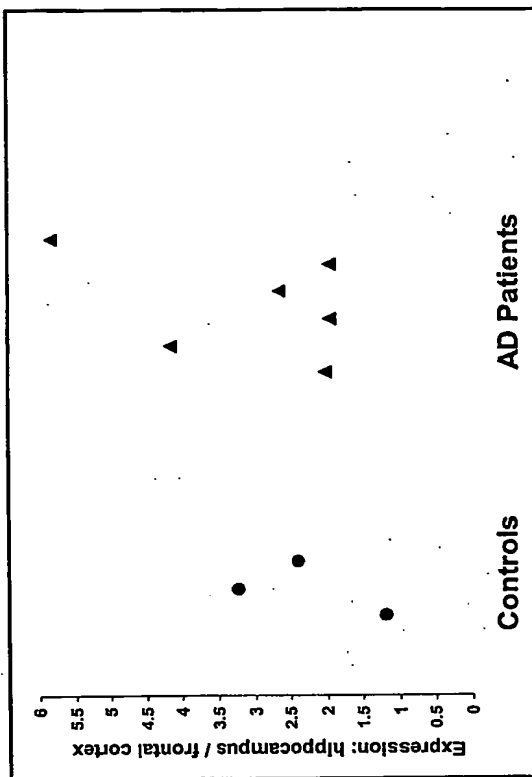


Figure 9

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